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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,091	03/23/2004	Darryl A. Bourgoyne	H055010.0035US1	3844

7590

11/03/2006

Richard D. Fladung
STRASBURGER & PRICE, LLP
1404 McKinney, Suite 2200
Houston, TX 77010

EXAMINER

DANG, HOANG C

ART UNIT

PAPER NUMBER

3672

DATE MAILED: 11/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/807,091

Applicant(s)

BOURGOYNE ET AL.

Examiner

Hoang Dang

Art Unit

3672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.135(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 June 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 43, 44, 46, 48, 54, 56-61, 64-68, 70-78 and 88-98 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 43, 44, 46, 48, 54, 56-61, 64-68, 70-78 and 88-98 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 June 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 8/25/2006

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 30, 2006 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 90 is rejected under 35 U.S.C. 102(b) as being clearly anticipated by Harrison (US 3,638,721) (see figure 3) or Williams et al (US 5,662,181) (see figure 3).

It is noted that a preamble, an intended use, or an "adapted" phrase is given no patentable weight in an apparatus claim. The system or housing of Harrison or Williams et al is capable of being positioning above a portion of a marine riser as recited.

Claim Rejections - 35 USC § 103

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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5. Claims 89, 90 and 92-98 are rejected under 35 U.S.C. 103(a) as being unpatentable over the April 1998 Offshore Drilling with Light Weight Fluids Joint Industry Project Presentation (reference II on PTO-1449 filed 5/7/2004) (herein after "Reference II) in view of Harrison (US 3,638,721) or vice versa.

Reference II discloses a method of drilling an offshore well with lightweight fluids. On page C-9, it discloses the use of a rotating head at the top of a riser without telescopic joint. Reference II does not disclose the structure of the rotating head. Harrison '721 discloses a method and apparatus for drilling an offshore well from a floating vessel as that of Reference II. However, Harrison teaches using a rotating head 22 including a housing 42 that rotatably supports a removable seal member 40 and has an opening 60 for returning drilling fluid to the floating vessel through a flexible pipe 35. The rotatable seal member 40 is movable with an inner member 41 to sealably engage a rotatable drill string. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use of a rotating head having a structure as claimed in the Reference II in view of the teaching of Harrison. Alternatively, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use a riser in Harrison and locate the rotating head 22 above the riser as claimed in view of the teaching of Reference II.

With respect to claims 89 and 92, the "inner member", "radially outwardly disposed outer member", "bearings", "seal" and "housing" as recited do not distinguish from elements (41), (43), (44a), (40) and (42) respectively of the rotating control head of Harrison. It is noted that the uppermost portion of bearing element 41 is located radially inward of the radially outer portion of retainer plate 43.

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As further for claim 89, it is noted none of the bearings 44a that are introduced in line 8 are in contact with the housing 42 as recited in lines 11-12.

6. Claims 43, 44, 48-54, 56-61, 64-68, 70-78, 88 and 91 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reference II in view of Harrison '721 or vice versa as applied to claims 89, 90 and 92-98 above, and further in view of Leach (US 4,813,495).

Reference II, as modified by Harrison (or vice versa), discloses the invention as claimed except that the rotating head of Harrison does not include a "pressure relief mechanism". Leach teaches providing a rotating head with a pressure relief mechanism to permit the drilling mud returns to be dumped in the event of an emergency (column 3, lines 30-35). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the rotating head of Reference II as modified by Harrison or vice versa with a pressure relief mechanism in view of the teaching of Leach for the advantage pointed out above.

As for claims 66, 67, 71, 72 and 90, Leach also teaches providing valves 52, 54 & 58 to the rotating head so that the flow of mud returns can be effectively controlled (column 3, lines 12-16).

7. Claims 44, 73, 75 and 77 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reference II in view of Harrison '721 or vice versa as applied to claims 89, 90 and 92-98 above, and further in view of Leach (US 4,813,495) as applied to claims 43, 44, 48-54, 56-61, 64-68, 70-78, 88 and 91 above, and further in view of Streich et al (US 5,314,015).

The pressure relief mechanism 59 of Leach is not disclosed as a rupture disk. However, it is well known in the art to use a rupture disk to relieve pressure because of its simplicity as evidenced by Streich et al (see column 17, lines 12-16). To provide Reference II as modified by

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Harrison or vice versa and Leach with a pressure relief means 59 in the form of a rupture disk would have been obvious in view of the teaching of Streich et al for the advantage pointed out above.

8. Claim 46, 89, 92 and 98 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reference II in view of Williams et al (US 5,662,181) or Murray et al (US 4,175,186).

Reference II discloses a method of drilling an offshore well with lightweight fluids. On page C-9, it discloses the use of a rotating head at the top of a riser without telescopic joint. Reference II does not disclose the structure of the rotating head. However, either Williams et al '181 (see figure 3) or Murray et al '186 (see figures 1-7) disclose a rotating head including a housing that rotatably supports a removable assembly that includes an inner member, a radially outwardly disposed outer member, a plurality of bearings interposed between the inner and outer members in order to facilitate removably mounting the bearing assembly in the housing while drilling or servicing the well (column 2, lines 36-42 in Williams et al or column 6, lines 1-4 in Murray et al). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use of a rotating head having a structure as claimed in the Reference II in view of the teaching of Williams et al for the advantages pointed out above.

Double Patenting

9. Claims 43, 44, 48-54, 56-61, 64-68, 70-78 and 88 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-34 of U.S. Patent No. 6,913,092 or claims 1-30 of U.S. Patent No. 6,263,982 in view of Leach (US 4,813,495). Leach teaches providing a rotating head with a pressure relief mechanism to permit

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returns to be dumped in the event of an emergency (column 3, lines 30-35). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the invention as defined by claims 1-34 of U.S. Patent No. 6,913,092 or claims 1-30 of U.S. Patent No. 6,263,982 with a pressure relief mechanism in view of the teaching of Leach for the advantage pointed out above.

10. Claims 89-98 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-34 of U.S. Patent No. 6,913,092 or claims 1-30 of U.S. Patent No. 6,263,982. Although the conflicting claims are not identical, they are not patentably distinct from each other because claims 89-98 are broader and therefore read on the invention as defined by claims 1-34 of U.S. Patent No. 6,913,092 or claims 1-30 of U.S. Patent No. 6,263,982.

11. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Drawings

12. Figure 3A should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Conclusion

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang Dang whose telephone number is 571-272-7028. The examiner can normally be reached on 9:15-5:45 Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bagnell can be reached on 571-272-6999. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3672

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hoang Dang
Primary Examiner
Art Unit 3672

A handwritten signature in black ink, consisting of a series of loops and a long trailing stroke, positioned below the printed name and title.



PTO/SB/05A and /05B (07-05)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

Complete if Known

Sheet 1 of 6

Application Number 10/807,091
Filing Date March 23, 2004
First Named Inventor Darryl A. Bourgoynne
Group Art Unit 3672
Examiner Name Hoang C. Dang
Attorney Docket Number 65501.0050

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind-Code *	Publication Date MM-DD-YY	Name of Patentee or Applicant of Child Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BD		US - 3,405,763	10-1968	Pitts, et al	
		US - 3,421,580	01-1969	Fowler, et al.	
		US - 3,443,643	05-13-1969	Marvin R. Jones	Col. 3, Ins. 53-63; Col. 4, Ins. 8-18' see 5S below
		US - 3,583,480	06-1971	John Regan	
		US - 3,638,721	02-01-1972	Otto R. Harrison	See 6/26/2001 IPER for PCT/GB00/00726; Fig. 2; see 5L, 5O, 5P, 5Q, 5R, 5T, 5U, 5V, 5W below
		US - 3,827,511	08-06-1974	Marvin R. Jones	See 5T, 5U, 5V, 5W below
		US - 3,847,215	11-1974	Herd	
		US - 3,924,678	12-1975	Ahlstone	
		US - 4,046,191	09-06-1977	Robert Arthur Neath	See 5U, 5V, 5W below
		US - 4,149,603	04-17-1979	James F. Arnold	See 5U below
		US - 4,157,186	06-05-1979	Edwin G. Murray, et al.	See 5U, 5V below
		US - 4,313,054	01-1982	Richard M. Martini	
		US - 4,353,420	10-1982	Miller	
		US - 4,355,784	10-26-1982	Lester L. Cain	See 5U, 5V below
		US - 4,440,232	04-1984	Joseph L. LeMolne	
		US - 4,484,753	11-27-1984	Mammohan S. Kalsi	
		US - 4,509,405	04-1985	H. John Bates	
		US - 4,540,053	09-1985	Baugh, et al.	
		US - 4,597,448	07-01-1986	Benton F. Baugh	
BD		US - 4,628,135	12-02-1986	Joseph R. Roche	See 11/29/2004 European Pat. Office Action for Application No. 00905522.8; see 7/22/2005 Norway Pat. Office Action of Application No. 20013952; See 8/26/2001 IPER for PCT/GB00/00726;

Examiner Signature	/Hoang Dang/ (09/17/2006)	Date Considered	10/15/2006
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WFO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *List of document by the appropriate symbols as indicated on the document under WFO Standard ST.1.6 if possible. *Applicant is to place a check mark here if English language Translator is attached.

This collection of information is required by 35 CFR 1.97 and 1.98. The information is required to obtain or regain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete the form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 10/807,091
Filing Date March 23, 2004
First Named Inventor Darryl A. Bourgoyne
Group Art Unit 3672
Examiner Name Hoang C. Dang
Attorney Docket Number 65501.0050

Sheet 2 of 6

U.S. PATENT DOCUMENTS

HD	US - 4,736,789	04-1988	Ahlstone	see 5A 5G, 5I, 6J, 5L 5M, 5O, 5P, 5Q below
	US 4,813,495	03-21-1989	Colin P. Leach	See 11/1/2004 Norway Patent Office Action for Patent Application No. 20003950; see 5T below
	US - 4,832,126	05-23-1989	Joseph R. Roche	
	US - 5,163,514	11-17-1992	Charles E. Jennings	See Col. 1, Lns. 44-51; Col. 2, ln. 62 to Col. 3, ln. 57; and Figs 1 & 2; see 5B below
	US - 5,195,754	03-23-1993	Lannie Dietle	
	US - 5,230,520	07-27-1993	Lannie Dietle, et al.	
	US - 5,251,869	12-12-1993	Benny M. Mason	
	US - 5,325,925	07-1994	Smith, et al.	
	US - 5,348,107	09-1994	Thomas F. Bailey, et al.	
	US - 5,607,019	03-1997	Kent	
	US - 5,662,171	09-02-1997	James D. Brugman, et al.	
	US - 5,662,181	09-02-1997	John R. Williams	See YYYY, 5L, 5M, 5N, 5O, 5P, 5Q, 5U, 5V, 5X below; the whole document
	US - 5,671,812	09-1997	Bridges	
	US - 5,678,829	10-21-1997	Mammohan S. Kalsi, et al.	
	US - 5,738,358	04-14-1998	Mammohan S. Kalsi, et al.	
	US - 5,823,541	10-20-1998	Lannie Dietle, et al.	
	US - 5,873,576	02-23-1999	Lannie Dietle, et al.	
	US - 5,944,111	08-1999	Bridges	
	US - 6,007,105	12-28-1999	Lannie Dietle, et al.	
	US - 6,016,880	01-2000	Hall, et al.	
	US - 6,036,192	03-14-2000	Lannie Dietle, et al.	
	US - 6,102,673	08-2000	Mott, et al.	
	US - 6,109,348	08-2000	Caraway	
	US - 6,109,618	08-29-2000	Lannie L. Dietle	
HD	US - 6,129,152	10-10-2000	Hosie, et al.	Col. 10, ln. 22-Col. 12, ln. 31; Figs. 1 & 2; see YYYY, 5X below

Examiner
Signature

/Hoang Dang/ (09/17/2006)

Date

Considered

10/15/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 605. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). *See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 501.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Ind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 38 U.S.C. 123 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR UNWANTED COPIES TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete If Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/807,091</td> </tr> <tr> <td>Filing Date</td> <td>March 23, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Darryl A. Bourgoyne</td> </tr> <tr> <td>Group Art Unit</td> <td>3672</td> </tr> <tr> <td>Examiner Name</td> <td>Hoang C. Dang</td> </tr> <tr> <td>Attorney Docket Number</td> <td>65501.0050</td> </tr> </table>		Application Number	10/807,091	Filing Date	March 23, 2004	First Named Inventor	Darryl A. Bourgoyne	Group Art Unit	3672	Examiner Name	Hoang C. Dang	Attorney Docket Number	65501.0050
Application Number	10/807,091														
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First Named Inventor	Darryl A. Bourgoyne														
Group Art Unit	3672														
Examiner Name	Hoang C. Dang														
Attorney Docket Number	65501.0050														
Sheet	3	of	6												

U.S. PATENT DOCUMENTS					
	US - 6,138,774	10-31-2000	Adam T. Bourgoyne, Jr., et al.		See Figs & claims 1-3, noting bearing assembly 60 located in subassembly above a borehole; see 5C, 5F below
RD	US - 6,202,745	03-2001	Reimert, et al.		
	US - 6,227,547	05-08-2001	Lannie Dietle, et al.		
	US - 6,230,824	05-2001	Peterman, et al.		
	US - 6,354,385	03-12-2002	Ford, et al.		
	US - 6,457,529	10-01-2002	Ian Douglas Calder, et al.		See 5X below
	US - 6,470,975	10-29-2002	Bourgoyne, et al.		See ZZZZ, 5C, 5X below
	US - 6,478,303	11-12-2002	Radcliffe		
	US - 6,547,002	04-15-2003	Bailey, Thomas F., et al.		See 5X below
	US - 6,554,016	04-29-2003	Joseph Kinder		
	US - 6,702,012	07-03-2003	Bailey, Thomas F., et al.		See 5X below
	US - 6,732,804	05-2004	Hosie, et al.		
	US - 6,749,172 B2	06-15-2004	Joseph Kinder		
	US - 6,843,313	12-13-2001	Hult		
	US - 6,913,092	07-2005	Darryl Bourgoyne		
	US - 7,004,444	02-28-2006	Joseph Kinder		
	US - 7,040,394	05-06-2004	Bailey, Thomas F., et al.		Figs. 1, 7a, 7b, 8; see YYYY, 5X below
	US - 7,080,685 B2	01-06-2005	Bailey, Thomas F., et al.		See 5X below
	US - 2001-0050185	12-13-2001	Ian Douglas Calder		Pg. 2, ln. 15, ¶17-lin. 24; Fig. 2; see YYYY, ZZZZ below
	US - 2003/0102136	08-05-2003	Nelson, et al.		
	US - 2003/0106712-A1	06-12-2003	Darryl Bourgoyne		
	US - 2004/0238175	12-2004	Wade, et al.		
	US - 2005/241833 A1	03-11-2005	Thomas F. Bailey		
	US - 2005/0151107	07-14-2005	Shu		
	US - 2006/0102387 A1	05-18-2006	Darryl A. Bourgoyne, et al.		
RD	US - 2006/0108119A1	05-25-2006	Thomas F. Bailey, et al.		See 5X below

Examiner Signature	/Hoang Dang/ (09/17/2006)	Date Considered	10/15/2006
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554003.1/SPH/65501/0050/082206

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/807,091
Filing Date	March 23, 2004
First Named Inventor	Darryl A. Bourgoyne
Group Art Unit	3872
Examiner Name	Hoang C. Dang
Attorney Docket Number	65501.0050

Sheet 4 of 6

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ctry No.	Foreign Patent Document Country Code * Number ** Kind Code ** Invent	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RD		CA 2363132 A1	09-08-2000	Darryl A. Bourgoyne, et al.	See US - 6,470,975
		CA 2447196 A1	04-30-2004	Thomas F. Bailey, et al.	See US - 7,040,394
		GB 2394741 A	05-05-2004	Thomas F. Bailey, et al.	See US - 7,040,394
		EP 0290250 A2	11-09-1988	Conoco, Inc.	Col. 5, Ins. 1-65; Fig. 2; see 58 below and US - 4,813,495
		EP 0290250 A3	11-09-1988	Conoco, Inc.	See attached European Search Report for Appl. EP 88 30 4057 completed 08-22-1989 and US - 4,813,495
		AU 189927822 B2	09-10-1999	Williams Tool Co., Inc.	See US - 6,138,774
		AU 200028183 A1	09-08-2000	Weatherford/Lamb, Inc.	See US - 6,470,975
		AU 200028183 B2	09-08-2000	Weatherford/Lamb, Inc.	See US - 6,470,975
		GB 2,067,235 A	07-1981	Diehl	
		EP 267,140 B1	03-31-1993	Galle, et al.	
		PCT WO99/50524 A2	10-07-1999	Mott, et al.	
		PCT WO99/51852 A1	10-14-1999	Bridges, et al.	
		PCT WO99/50524 A3	10-07-1999	Mott, et al.	
RD		PCT WO00/52299 A	09-08-2000	Don M. Hannegan, et al.	See Figs. & claims, noting housing 14 and bearing assembly 28; see ZZZZ, 5C below; see US - 6,470,975

Examiner Signature	/Hoang Dang/ (09/17/2006)	Date Considered	10/15/2006
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Application Number 10/807,091
Filing Date March 23, 2004
First Named Inventor Darryl A. Bourgoyne
Group Art Unit 3872
Examiner Name Hoang C. Dang
Attorney Docket Number 65501.0050

Sheet 5 of 6

U.S. PATENT RELATED APPLICATIONS

Exr Initials	APPLICATION NO.	ATTY. DOCKET NO.	Status or Patentee	Date of Filing or Issue
	60/079,841	09432/160001	Abandoned, but Priority Claimed in above U.S. Patent Nos. 6,230,824B1 and 8,102,873 and PCT WO 99/50524	03-27-1998
	60/122,530	055010.0022	Priority Claimed in U.S. Patent No. 6,470,975B1	03-02-1999

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include Name of first Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), volume-in-issue number(s), page(s), date (in Parentheses). If a book, also include publisher and city and/or county where published.
HD	XXXX	TANGEDAHL, M.J., et al. "Rotating Preventers: Technology for Better Well Control", World Oil, Gulf Publishing Company, Houston, TX, US, Vol. 213, No. 10, 10/1992, (1992-10-01) numbered pages 63-64 and 66 (3 pages) XP 000288328 ISSN: 0043-8790 (see YYYY, 5X below)
	YYYY	European Search Report for EP 05 27 0083, Application No. 05270083.8-2315, European Patent Office, March 2, 2006 (5 pages)
	ZZZZ	Netherlands Search Report for NL No. 1026044, dated 12/14/05 (3 pages)
	5A	Int'l. Search Report for PCT/GB 00/00731 corresponding to U.S. Patent No. 6,470,975 (6/16/00) (2 pages)
	5B	GB0324939.8 Examination Report corresponding to U.S. Patent No. 6,470,975 (3/21/06) (6 pages)
	5C	GB0324939.8 Examination Report corresponding to U.S. Patent No. 6,470,975 (1/22/04) (3 pages)
	5D	2003/0106712 Family Lookup Report (6/15/06) (5 pages)
	5E	6,470,975 Family Lookup Report (6/15/06) (5 pages)
	5F	AU S/N 28183/00 Examination Report corresponding to U.S. Patent No. 6,470,975 (1 page) (9/9/2002)
✓	5G	NO S/N 20013953 Examination Report corresponding to U.S. Patent No. 6,470,975 w/one page of English translation (3 pages) (4/29/2003)
HD	5H	NESSA, D.O. & Tangedahl, M.L. & Saponja, J.: PART 1: "Offshore underbalanced drilling system could revive field developments", World Oil, Vol. 218 No. 7, Cover Page, 3, 61-64 and 66 (July 1997); and PART 2: "Making this valuable reservoir drilling/completion technique work on a conventional offshore drilling platform." -- World Oil, Vol. 218 No. 10, Cover Page, 3, 83, 84, 86 and 88 (October 1997) (see 5A, 5G above and 5I below)

Examiner Signature /Hoang Dang/ (09/17/2006)

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Group Art Unit	3672
Examiner Name	Hoang C. Dang
Attorney Docket Number	65501.0050

Sheet 6 of 6

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

5I	Int'l. Search Report for PCT/GB 00/00731 corresponding to U.S. Patent No. 6,470,975 (4 pages) (6/27/2000)
5J	Int'l. Preliminary Examination Report for PCT/GB 00/00731 corresponding to U.S. Patent No. 6,470,975 (7 pages) (12/14/2000)
5K	NL Examination Report for WO 00/52299 corresponding to this U.S. S/N 10/281,534 (3 pages) (12/19/2003)
5L	AU S/N 28181/00 Examination Report corresponding to U.S. Patent No. 6,263,982 (1 page) (9/6/2002)
5M	EU Examination Report for WO 00/606522.8-2315 corresponding to U.S. Patent No. 6,263,982 (4 pages) (11/29/2004)
5N	NO S/N 20013952 Examination Report w/two pages of English translation corresponding to U.S. Patent No. 6,263,982 (4 pages) (7/22/2005)
5O	PCT/GB00/00726 Int'l. Preliminary Examination Report corresponding to U.S. Patent No. 6,263,982 (10 pages) (6/26/2001)
5P	PCT/GB00/00728 Written Opinion corresponding to U.S. Patent No. 6,263,982 (7 pages) (12/18/2000)
5Q	PCT/GB00/00726 International Search Report corresponding to U.S. Patent No. 6,263,982 (3 pages) (3/2/1999)
5R	AU S/N 27822/99 Examination Report corresponding to U.S. Patent No. 6,138,774 (1 page) (10/15/2001)
5S	EU 99908371.0-1266-US9903888 European Search Report corresponding to U.S. Patent No. 6,138,774 (3 pages) (11/2/2004)
5T	NO S/N 20003950 Examination Report w/one page of English translation corresponding to U.S. Patent No. 6,138,774 (3 pages) (11/1/2004)
5U	PCT/US99/03888 Notice of Transmittal of International Search Report corresponding to U.S. Patent No. 6,138,774 (6 pages) (8/4/1999)
5V	PCT/US99/03888 Written Opinion corresponding to U.S. Patent No. 6,138,774 (5 pages) (12/21/1999)
5W	PCT/US99/03888 Notice of Transmittal of International Preliminary Examination Report corresponding to U.S. Patent No. 6,138,774 (15 pages) (6/12/2000)
5X	EU Examination Report for 05270083.8-2315 corresponding to US 2006/0108119 A1 published 5/25/2006 (11 pages) (5/10/2006)

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